

ABSTRACT

The minimization or elimination of swelling in lithium cells containing CF<sub>x</sub> as part of the cathode 5 electrode and discharged under high rate applications is described. When CF<sub>x</sub> materials are synthesized from fibrous carbonaceous materials, in comparison to petroleum coke, cell swelling is greatly reduced, and in some cases eliminated. Preferred precursors are carbon 10 fibers and MCMB.

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